

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re appl	lication	of:
SKINLO	, David	M.

Serial No:

10/665,657

Filed:

September 17, 2003

For:

ELECTRIC STORAGE BATTERY

CONSTRUCTION AND METHOD OF

MANUFACTURE

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Dear Sirs:

Art Unit: 1745
Examiner: N/A

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents
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Kathy Hinckley
Name
517/04
Signature Date

- 1. The information disclosure statement submitted herewith is being filed within three months of the filing date of the application other than a continued prosecution application, or within three months of the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under §1.114, whichever event occurs last. 37 C.F.R. §1.97(b).
- 2. The information disclosure statement transmitted herewith is being filed *after* the period specified in §1.97(b), but *before* the mailing date of a final action under §1.113, or a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, whichever occurs first. A statement specified in §1.97(e) or a fee set forth in §1.17(p) is included. 37 C.F.R. §1.97(c).

§1.97(e) STATEMENT

I, the person signing below, state:

that each item of information contained in the information disclosure statement was
first cited in the attached communication from a foreign patent office in a
counterpart foreign application and that the communication is dated not more than
three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).

OR

that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).

OR FEE

3. 🗆	 □ Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c). (\$180.00). □ Please charge the fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c) (\$180.00), and charge any insufficiency or credit any overpayment, to the credit card identified on Form PTO 2038 submitted herewith. If for any reason the credit card so identified is refused, please charge the necessary amount to Deposit Account No. 50-0921, referencing docket number A copy of this petition is enclosed. The information disclosure statement transmitted herewith is being filed after the period
<i>э</i> •	specified in §1.97(c), but before, or simultaneously with the payment of the issue fee. A statement specified in §1.97(e) and a fee set forth in §1.17(p) are included. 37 C.F.R. §1.97(d).
	§1.97(e) STATEMENT
	I, the person signing below, state:
	that each item of information contained in the information disclosure statement was first cited in the attached communication from a foreign patent office in a counterpart foreign application and that the communication is dated not more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(1).
	OR
	that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. §1.97(e)(2).
	AND FEE
	 □ Attached is a fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(d). (\$180.00). □ Please charge the fee set forth in 37 C.F.R. §1.17(p) for submission of an information disclosure statement under §1.97(c) (\$180.00), and charge any insufficiency or credit any overpayment, to the credit card identified on Form PTO 2038 submitted herewith. If for any reason the credit card so identified is refused, please charge the necessary amount to Deposit Account No. 50-0921, referencing docket number A copy of this petition is enclosed.
	2038 submitted herewith. If for any reason the credit card so identified is please charge the necessary amount to Deposit Account No. 50-0921, refer

4. The filing of an information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b) [37 C.F.R. § 1.97(h)]. Further, applicants make no admission that all references presented here are prior art in relation to the present application.

5.	been cons the	If it should be determined that for any reason either an insufficient fee or an excessive fee has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to the credit card identified on Form PTO 2038 submitted herewith. If for any reason the credit card so identified is refused, please charge the necessary amount to Deposit Account No. 50-0921. A copy of this petition is enclosed.						
6.	A li	st of 111 reference(s) is in the enclosed Form PTO-1449. 28 reference(s) are enclosed.						
		Pursuant to 37 C.F.R. § 1.98(d), a copy / copies of some of the listed reference(s) is / are not provided since it is / they are of record in parent application Serial No filed _, the benefit of the filing date of which is claimed herein under 35 U.S.C. § 120.						
		The instant application having been filed after June 30, 2003, copies of U.S. references are omitted pursuant to 1276 Off. Gaz. Pat. Off. 55, 8/5/2003: "The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b)."						
		NON-ENGLISH LANGUAGE REFERENCES						
		Enclosed is a search report for a counterpart application. The search report Examiner has provided comments on the relevancy of any non-English language references cited in the search report.						
		The specification incorporates comments on the relevancy of Non-English language references.						
		Set forth below are comments provided by the applicant's home country counsel on the relevancy of non-English language references: N/A						
	[CC	OMMENTS OF APPLICANT'S HOME COUNTRY COUNSEL]						
		Respectfully submitted,						
		x = 0						
Da	ite: N	May 7, 2004 By: M. Elizabeth Bush Registration No. 38,402						
		Patent Agent for Applicant(s)						
-		on LLC Legal Department						
		ox 923127 , CA 91392-3127						
•		33-2003 (ph)						
•	,	33-2065 (fax)						

Complete if Known Substitute for form 1449A/PTO Application Number 10/665,657 INFORMATION DISCLOSURE Filing Date September 17, 2003 STATEMENT BY APPLICANT First Named Inventor SKINLO, David M. (use as many sheets as necessary) Art Unit 1745 **Examiner Name** N/A 4 Q137-US6 1 of Attorney Docket number Sheet

US PATENT DOCUMENTS

Examiner	Document Number	Publication Date	
Initials	Number – Kind Code	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	US-3,536,532	10-27-1970	Nobuatsu Watanabe et al.
	US-3,700,502	10-24-1972	Nobuatsu Watanabe et al.
	US-4,009,056	02-22-1977	Megahed et al.
	US-4,056,885	11-08-1977	Rao
	US-4,091,188	05-23-1978	Dey
	US-4,121.020	10-17-1978	Epstein et al.
	US-4,247,608	01-27-1981	Watanabe et al.
	US-4,268,587	05-19-1981	Farrington et al.
	US-4,271,242	06-02-1981	Toyoguchi et at.
	US-4,352,867	10-05-1982	Catanzarite
	US-4,385,101	05-24-1983	Catanzarite
	US-4,386,137	05-31-1983	Watanabe et al.
	US-4,391,729	07-05-1983	Liang et al.
	US-4,502,903	03-05-1985	Bruder
	US-4,539,272	09-03-1985	Boegel
	US-4,539,274	09-03-1985	Goebel
	US-4,565,752	01-21-1986	Goebel et al.
	US-4,565,753	01-21-1986	Goebel et al.
	US-4,604,333	08-05-1986	Ikeda et al.
	US-4,929,519	05-29-1990	Catotti
	US-5,008,165	04-16-1991	Schmöde
	US-5,017,442	05-21-1991	Watanabe et al.
	US-5,114,811	05-19-1992	Ebel et al.
	US-5,147,747	09-15-1992	Post et al.
	US-5,344,724	09-06-1994	Ozaki et al.
	US-5,360,678	11-01-1994	Spillman et al.
	US-5,423,110	06-13-1995	Gauthier et al.
	US-5,514,492	05-07-1996	Marincic et al.
	US-5,543,249	08-06-1996	Takeuchi et al.
	US-5,558,962	09-24-1996	Marincic et al.
	US-5,584,893	12-17-1996	Mitchell
	US-5,795,680	08-18-1998	Ikeda et al.
	US-5,804,327	09-08-1998	Oltman
	US-5,891,593	04-06-1999	Keller et al.
	US-5,900,720	05-04-1999	Kallman et al.
	US-5,948,563	09-07-1999	Kawase et al.
	US-5,95,291	10-12-1999	Pyszczed
	US-5,989,751	11-23-1999	Cotte et al.
	US-6,030,422	02-29-2000	Pyszczek
	US-6,042,957	03-28-2000	Oltman
	US-6,057,060	05-02-2000	Yu
	US-6,165,641	12-26-2000	Striebel et al.

	 			
Examiner		Date	İ	
Signature		Considered		

Printed 5/7/2004

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Substitute for form 1449A/PTO					Application Number		10/665,657
INFORMATION DISCLOSURE						g Date	September 17, 2003
STATEMENT BY APPLICANT (use as many sheets as necessary)						Named Inventor	SKINLO, David M.
						Jnit	1745
						niner Name	N/A
Sheet	2	of	4			ney Docket number	Q137-US6
0001				01-30-200		Yoshida et al.	
	US-6,180,285 E	<u> </u>		02-20-200	-	Tomiyama et al.	
	US-6,225,007			05-01-200		Horne et al.	
	US-6,225,007	31		05-01-200		Horne et al.	
	US-6,228,536	<u> </u>		05-08-200		Wasynczuk	
	US-6,242,129 E	31		06-05-200		Johnson	-
	US-6,245,452			06-12-200		Oltman	
	US-6,265,099 E			07-24-200		Gauthier et al.	
	US-2001/00313			10-18-200		Hashimoto et al.	
	US-2001/00339			10-25-200		Kawai et al.	
·	US-6,319,627 E			11-20-200		Snyder et al.	
	US-2001/00440			11-22-200		Gan et al.	
	US-2002/00041	161 A1		01-10-200		Yamaguchi	
	US-6,348,282 E			02-19-200		Okochi et al.	
	US-2002-00766			06-20-200	2	Akashi et al.	
	US-6,410,187 E	31	· · · -	06-25-200	2	Luo et al.	
	US-6,410,180 E	31		06-25-200	2	Yamada et al.	
	US-6,458,490 E	 31	<u>-</u>	10-01-2002	2	Hommura et al.	
	US-2002/01466	526 A1		10-10-2002	2	Komatsu et al.	
	US-2002/01873	399 A1		12-12-2002	2	Johnson et al.	
	US-6,503,646 E	31	<u> </u>	01-07-200	3	Ghantous et al.	
	US-6,503,657 E	31		01-07-200	3	Takami et al.	
	US-6,506,514 E	31		01-14-200	3	Endo et al.	
	US-2003/00898	389 A1		02-27-200	3	Park et al.	
	US-2003/01042	282 A1		06-05-2003	3	Xing et al.	
	US-6,576,365 E	31		06-10-2003	3	Meitav et al.	
	US-2003/01136			06-19-2003		Paulot et al.	
	US-2003/01341			07-17-200		Buckle et al.	
	US-2003/13869			07-24-200		Leising et al.	
-	US-2003/01988			10-23-2003		Takeuchi et al.	
	US-6,641,953 E			11-03-2003		Takeuchi et al.	
	US-6,667-132 E			12-23-2003		Okochi et al.	
	US-2004/02900			02-12-2004		Leising et al.	
	US-2004/00481			03-11-2004		Skinlo	
	US-2004/00531			03-18-2004		Skinlo	
	US-2004/00531			03-18-2004		Tsukamoto et al.	
	US-2004/00531			03-18-2004		Tsukamoto et al.	
	US-2004/00531			03-18-2004		Tsukamoto et al.	
	US 2004/00499		<u> </u>	03-18-2004		Tsukamoto et al.	
	US-2004/00551		_	03-25-2004		Tsukamoto et al.	
	US-2004/00582	30 A I		03-25-2004	<u> </u>	Tsukamoto et al.	

Examiner	Date	
Signature	Considered	

Complete if Known Substitute for form 1449A/PTO **Application Number** 10/665,657 Filing Date September 17, 2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor SKINLO, David M. (use as many sheets as necessary) Art Unit 1745 Examiner Name N/A 3 of 4 Attorney Docket number Q137-US6 Sheet

FOREIGN PATENT DOCUMENTS

	Foreign Patent Document			Publication Date	Name of Patentee or Applicant of Cited	English	Machine Trans-	Entire Docu-
Examiner Initials	Office	Number	Kind	MM-DD-YYYY	Document	Abstract	lation	ment
	JP	01151150	Α	06-13-1989	Matsushita Electric Ind. Co. Ltd.	X		X
	JP	3046772	A2	02-28-1991	Ignacio et al.			
	JP	03-093156	A2	04-18-1991	Kiyoshi et al.	7		
	JP	3222257	A2	10-01-1991	Toru et al.	7		
	JP	4206366	A2	07-28-1992	Kenji et al.	7		
	JP	7249403	A2	09-26-1995	Hiroyoshi	1		
	JP	9330707	A2	12-22-1997	Kouji	V		
	JP	10289708	A2	10-27-1998	Tetsuya et al.	1		
	JP	11260372	A2	09-24-1999	Sanehiro et al.	1		
	JP	11-329444		11-30-1999	Shin Kobe Electric Mach Co Ltd	×	Х	Х
	JP	2000036324	Α	09-02-2000	Minako et al.			
	EP	0942484	B1	05-16-2001	Yamaguchi			
	wo	02/078113	A1	10-03-2002	Shibamoto et al.			
	EP	01296389	A1	03-26-2003	Wilson Greatbatch Technologies, Inc.			Х
	wo	03-061038	A1	07-24-2003	Quallion LLC	X		Х
	wo	03-061051	A1	07-24-2003	Quallion LLC			
	EP	01331683	A2	07-30-2003	Wilson Greatbatch Technologies, Inc.			X
	wo	03/096446	A1	11-20-2003	Hitachi Maxell Ltd.	X		Х
	EP	1388905	A2	02-11-2004	Wilson Greatbatch Technologies, Inc.			X

OTHER DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published
	A. RAWLE, "Basic Principles of Particle Size Analysis," Malvern Instruments Limited, downloaded from http://www.malvern.co.uk/malvern/rw malvern.nsf/vwa docref/IWTM%20particle%20size, no date.
	Table 14.4 Cathode Materials Used in Lithium Primary Batteries
	Unpublished International Application PCT/US03/21343, Applicant Quallion LLC, Inventors Lam et al., International Filing Date 09 July 2003.
	Preliminary Amendment filed in USSN 10/666,873, Tsukamoto et al., filing date September 17, 2003.

Examiner	Date	
Signature	Considered	
Deighard C.C.(0004		<u> </u>

Complete if Known Substitute for form 1449A/PTO **Application Number** 10/665,657 INFORMATION DISCLOSURE Filing Date September 17, 2003 STATEMENT BY APPLICANT First Named Inventor SKINLO, David M. (use as many sheets as necessary) Art Unit 1745 N/A **Examiner Name** Sheet 4 of 4 Attorney Docket number Q137-US6 International Preliminary Examination Report, dated 30 October 2003, received in relation to Application No. PCT/US03/01334. Preliminary Amendment filed in USSN 10/478,920, Lam et al., filing date November 19, 2003. Preliminary Amendment filed in USSN 10/478,706, Nakahara et al., filing date November 19, 2003. Preliminary Amendment filed in USSN 10/484,474, Tsukamoto et al., filing date January 20, 2004. International Search Report, dated 01 Mar 2004, received in relation to Application No. PCT/US03/21343

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